

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/006501

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H01S5/14, G02B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H01S5/14, G02B27/00, H01S3/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-307879 A (NEC Corp.), 05 November, 1999 (05.11.99), Full text; all drawings (Family: none)	1-28
A	JP 7-98402 A (Nippon Steel Corp.), 11 April, 1995 (11.04.95), Full text; all drawings & US 5513201 A	1-28
A	JP 6-181356 A (Hughes Aircraft Co.), 28 June, 1994 (28.06.94), Par. Nos. [0006] to [0009]; Figs. 1 to 3 & EP 587154 A & US 5386426 A	1-28

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
24 August, 2004 (24.08.04)

Date of mailing of the international search report
07 September, 2004 (07.09.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-239773 A (Matsushita Electric Industrial Co., Ltd.), 28 August, 2002 (28.08.02), Full text; all drawings (Family: none)	1-28
A	WO 02/054116 A2 (FORSKNINGSCENTER RISO), 11 July, 2002 (11.07.02), Full text; all drawings & EP 1346446 A	1-28
A	JP 6-244505 A (Matsushita Electric Industrial Co., Ltd.), 02 September, 1994 (02.09.94), Full text; all drawings (Family: none)	1-28
A	JP 6-196779 A (Matsushita Electric Industrial Co., Ltd.), 15 July, 1994 (15.07.94), Full text; all drawings (Family: none)	1-28